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REPORTS

AGRICULTURE • ECONOMICS

from USDA's Economics Agencies *Summer 1991*



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Who we are

This catalog lists recent monographs, periodicals, data products, and video tapes available from USDA's economics agencies. **Economic Research Service (ERS)** outlook and situation reports and periodicals analyze the current situation and forecast market conditions. ERS monographs offer economic analysis in the areas of trade, production, rural development, farm inputs, and other topics. **National Agricultural Statistics Service (NASS)** publications estimate production, stocks, inventories, disposition, utilization, and prices of agricultural commodities, and such other items as labor and farm numbers. The **World Agricultural Outlook Board (WAOB)** issues regular forecasts of U.S. and world supply and demand prospects for major agricultural commodities.

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Please note: Electronic products are NOT returnable.

Two new NASS reports highlight historical farm employment, recent sheep and goat predator losses

Farm Employment and Wage Rates, 1910-1990.
217 pp. March 1991.

Combines selected farm labor estimates from 1910 through 1990 into a single reference. A history of the farm labor data series is also highlighted. Also discusses the Agricultural Labor Survey sample design, survey definitions, data collection methods, and estimation procedures.

Order # SB-822.

\$14.00

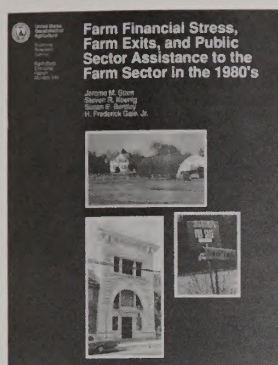
Sheep and Goat Predator Loss.
16 pp. April 1991.

The first nationwide survey of predator losses in over a decade finds that a total of 490,000 sheep and lambs were lost to animal predators during 1990 in the United States. This resulted in a loss of \$21.7 million for farmers and ranchers, or 36.9 percent of the total losses from all causes. Coyotes were the largest cause of sheep and lamb losses to predators.

Order # ZSGS-01.



The latest research from ERS



Farm Financial Stress, Farm Exits, and Public Sector Assistance to the Farm Sector in the 1980's, by Jerome M. Stam, Steven R. Koenig, Susan E. Bentley, and H. Frederick Gale, Jr. 56 pp. April 1991.

Examines the effects of short-term economic events on farm exits, net changes in farm numbers, longrun trends in farm numbers, and public sector support for the farm sector. The U.S. farm sector experienced the worst financial stress during the 1980's since the 1930's. The decline in numbers of families and farmers was small by historical standards, however. **Order # AER-645. \$8.00**

Characteristics and Production Costs of U.S. Soybean Farms, 1986, by William D. McBride. 21 pp. April 1991.

Compares selected characteristics and costs of production among soybean producers. U.S. soybean acreage dropped 14 percent from 1980 to 1986 as U.S. dominance of the world bean and meal market diminished. Producers with the lowest costs of production planted more acreage to soybeans and obtained higher yields than producers with higher costs. Many of the cost differences were associated with region. **Order # AIB-623. \$8.00**

Cattle Feeding, 1962-89: Location and Feedlot Size, by Kenneth R. Krause. 60 pp. April 1991.

Focuses on major changes in the cattle feeding industry. Finds that four Plains States marketed over 70 percent of the 22,955,000 head of cattle that were fed in 13 cattle feeding States in 1989. **Order # AER-642. \$11.00**

Differences in Agricultural Research and Productivity Among 26 Countries, by George B. Frisvold and Eugene Lomax. 24 pp. May 1991.

Examines the contribution of research and other policy factors to agricultural productivity in 26 countries at various stages of economic development, and explores differences among these countries in their willingness to invest in agricultural research. Research in agriculture measurably raises agricultural productivity, and public investment in this research is one of the major reasons for differences in productivity among countries. **Order # AER-644. \$8.00**

Construction of True Cost of Food Indexes From Estimated Engel Curves, by William N. Blisard and James R. Blaylock. 40 pp. May 1991.

Compares estimated indexes of the true cost of food with the Consumer Price Index for households of differing characteristics. Shows that most of the true food cost indexes were very close to the CPI for total food. Also describes the method of estimating the indexes. **Order # TB-1787. \$8.00**

Annual reports

Foreign Ownership of U.S. Agricultural Land Through December 31, 1990, by J. Peter DeBraal. 48 pp. April 1991.

This annual report to the President and Congress finds that foreigners owned 14.4 million acres of U.S. agricultural land as of December 31, 1990. This is slightly more than 1 percent of all privately held agricultural land and 0.6 percent of all land in the United States. **Order # AGES 9120. \$8.00.**

Foreign Ownership of U.S. Agricultural Land Through December 31, 1990: County-Level Data, by Gertrude S. Butler and J. Peter DeBraal. 132 pp. May 1991.

This report, disaggregated to the county level, supplements the national level report, which examines foreign investment in 14.4 million acres of U.S. agricultural land in 1,900 of the 3,041 counties. **Order # AGES 9124. \$11.00**

Agricultural Resources: Agricultural Land Values, by Roger Hexem and Fred Kuchler. 8 pp. April 1991.

This annual report finds that U.S. farm real estate values rose 2 percent during 1990, marking the fourth straight increase since their slide in the mid-1980's. **Order # ARS-491. \$4.00**

Food Spending in American Households, 1980-88, by David M. Smallwood, Noel Blisard, and James R. Blaylock. 104 pp. May 1991.

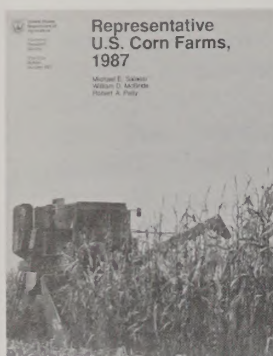
Presents information on trends in household food expenditures for major food groups by selected demographic factors for 1980-88, as well as information on food price trends. Average weekly food expenditures in urban households rose from \$18.94 per person in 1980 to \$25.68 in 1988. **Order # SB-824. \$11.00**

Food Consumption, Prices, and Expenditures, 1968-89, by Judith Jones Putnam and Jane E. Allshouse. 160 pp. May 1991.

Presents historical data on food consumption, prices, and expenditures, and U.S. income and population. Americans spent \$546 billion for food in 1990 and another \$80 billion for alcoholic beverages. Away-from-home meals and snacks captured 46 percent of the U.S. food dollar in 1990, up from 34 percent in 1970 and 24 percent in 1950. **Order # SB-825. \$14.00**

This report is also available in combination with an electronic database. See page 21 for details.

More of the latest research from ERS



Representative U.S. Corn Farms, 1987, by Michael E. Salassi, William D. McBride, and Robert A. Pelly. 60 pp. April 1991.

Discusses differences in the organization and financial structure of U.S. corn farms in major producing States and in small, mid-sized, and large corn farms in three regions in 1987. Corn is the leading U.S. crop enterprise both in harvested acreage and in commodity sales.

Order # SB-820. \$11.00

Endogenous Technological Change in U.S. Agriculture: A Direct Test of the Induced Innovation Hypothesis, by George B. Frisvold. 28 pp. May 1991.

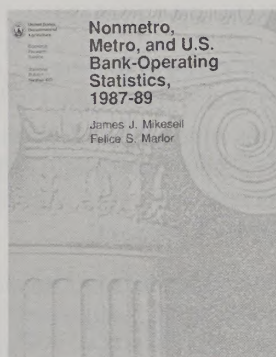
Presents a theoretical model of agricultural production and public research budget allocation to test the induced innovation hypothesis. The land- and labor-saving technical biases in U.S. agriculture can largely be explained by factor price movements, and the econometric results are highly consistent with the induced innovation hypothesis. Problems of coordinating environmental and technological policies are also studied in this report.

Order # TB-1790. \$8.00

Forecasting Retail Fertilizer Prices: A Combined Time-Series Regression Analysis Approach, by Harry Vroomen. 14 pp. April 1991.

Combines a regression and time-series analysis to develop a reliably accurate short-run price forecasting model of retail fertilizer prices. Time-series analysis is used to generate forecasted values for the wholesale prices of anhydrous ammonia, phosphoric acid, and potassium chloride.

Order # TB-1789. \$8.00



Nonmetro, Metro, and U.S. Bank-Operating Statistics, 1987-89, by James J. Mikesell and Felice S. Marlor. 145 pp. March 1991.

Presents and analyzes weighted and unweighted mean-operating statistics for nonmetro, metro, and all U.S. banks for 1987-89. Nonmetro banks had higher returns and fewer problem loans than did metro banks in 1989. The financial condition of nonmetro banks brightened in 1989 as banks in agricultural and energy-dependent counties recovered from their mid-1980's difficulties.

Order # SB-823. \$14.00

Employment Trends in Farm and Farm-Related Industries, 1975-87, by T. Alexander Majchrowicz. 39 pp. April 1991.

Shows that agricultural production jobs have declined, some farm-related industries have declined or remained stable, and other industries that process, market, and sell agricultural products have seen employment growth. These employment changes vary between metro and nonmetro areas and among farm production areas.

Order # AGES 9121. \$8.00

A State-Level Examination of Metro/Nonmetro Per Capita Income Inequality, 1979-87, by John M. Redman and Thomas D. Rowley. 104 pp. May 1991.

Explores on a State-by-State basis the issue of income inequality between the metro and nonmetro populations and among nonmetro counties. Included are comparisons of metro and nonmetro economic performance with measurements of earnings growth, population growth, and net migration.

Order # AGES 9108. \$11.00

An Analysis of Financial Performance of Federal Land Banks, Federal Intermediate Credit Banks, Farm Credit Banks, and Related Associations, 1986-89, by Robert N. Collender. 24 pp. April 1991.

Finds that the Farm Credit System experienced unprecedented distress and change during the 1980's, but saw substantial, although unevenly distributed, improvements in most areas by 1986-89 nonetheless. Profitability rose and riskiness fell during the end of the decade.

Order # AGES 9117. \$8.00



The Economic Well-Being of Nonmetro Children, by Carolyn C. Rogers. 43 pp. March 1991.

Analyzes the economic well-being of children living in families with at least one parent present, by metro-nonmetro residence, using data from the March supplement to the 1988 Current Population Survey. Twenty-four percent of children residing in nonmetro areas are in families below the official poverty line, 12 percent are near poor, and 64 percent are in families of at least modest means.

Order # RDRR-82. \$8.00

Methodologies for Comparisons of Agricultural Output, Input, and Productivity: A Review and Synthesis, by Susan Capalbo, Michael Denny, Anwarul Hoque, and C. Edward Overton. 48 pp. April 1991.

Surveys the methodologies for determining productivity comparisons, highlighting the link between the growth accounting (index) approaches and the econometric approaches. Rates of growth and productivity levels are crucial to assessing international comparisons and how they relate to a country's competitiveness.

Order # AGES 9122. \$8.00

Pesticide Residues and Food Safety: Aspects of a Changing Structure. Ed. by Walter L. Ferguson and Philip Szmedra. 43 pp. February 1991.

Explores the Delaney Clause paradox and the Environmental Protection Agency's rationale for altering the method by which pesticides are evaluated. Based on papers and discussions at a Southern Agricultural Economics Association symposium in New Orleans in 1988. **Order # AGES 9110. \$8.00**

Federal Forecasters Conference 1990: Proceedings. Ed. by Karen S. Hamrick. 133 pp. March 1991.

This is the proceedings of the third annual Federal Forecasters Conference held on September 6, 1990, at the U.S. Department of Agriculture. Contains remarks made on the theme, which are non-technical in nature, as well as technical presentations on various forecasting techniques and on forecasting activity around the Federal Government. **Order # AGES 9109. \$11.00**

Overview of the Static World Policy Simulation (SWOPSIM) Modeling Framework, by Vernon Roningen, Praveen Dixit, John Sullivan, and Tracy Hart. 46 pp. March 1991.

Provides a brief overview of the SWOPSIM modeling framework for a potential user. Helps potential users understand the basic features of SWOPSIM modeling framework and evaluate its suitability for their problems. Source documents for topics are cited and an example of model construction is presented. **Order # AGES 9114. \$8.00**

Toward An Analysis of the Farmers Home Administration's Direct and Guaranteed Farm Loan Programs, by William Herr. 33 pp. April 1991.

Examines whether the credit delivery mode affects the number and kinds of borrowers receiving FmHA assistance and thus rural credit markets. Looks at the cost-effectiveness of the guaranteed loan program compared with direct lending. Welfare analyses show that borrowers and lenders are affected differently by the two kinds of credit programs. **Order # AGES 9116. \$8.00**

From the Grassroots: Profiles of 103 Rural Self-Development Projects, by Jan L. Flora, James J. Chriss, Eddie Gale, Gary P. Green, Frederick E. Schmidt, and Cornelia Flora. 109 pp. April 1991.

In the 1980's, economic difficulties caused some rural localities to rely on their own financial and organizational resources to initiate projects generating local jobs or income. This system of self-development is studied, highlighting the types of projects, which include community-based development, local business and industrial development, and tourism and historical development. Local contact persons are listed. **Order # AGES 9123. \$11.00**

Economic Performance and Policy Adjustment: The Experience of Zimbabwe, by Shahla Shapouri and Margaret Missiaen. 48 pp. May 1991.

Zimbabwe's future well-being will be determined by the rate of growth of the industrial countries and the

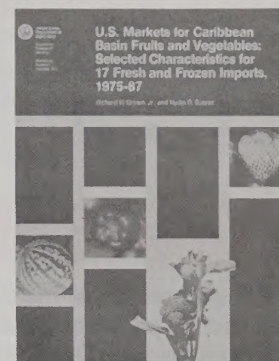
flexibility of its own internal policy adjustments in achieving sustained economic expansion. Zimbabwe improved its trade and current account balances from deficits in the early 1980's to surpluses by 1987 and 1988. **Order # AGES 9127. \$8.00**

Will Immigration Reform Affect The Economic Competitiveness of Labor-Intensive Crops? by James A. Duffield and Lowell Gunter. 28 pp. May 1991.

Identifies U.S. producers of labor-intensive crops most likely to be exposed to more competition if immigration reform increases their labor costs. Import market share data indicate that U.S. producers dominated the 1980-88 consumer market for most of the fruits and vegetables examined. Five commodities, however—frozen broccoli, frozen cauliflower, fresh asparagus, fresh tomatoes, and fresh grapes—experience stiff competition from non-U.S. producers. **Order # AGES 9126. \$8.00**

Beefpacking and Processing Plants: Computer-Assisted Cost Analysis, by Lawrence A. Duerwer and Kenneth E. Nelson. 71 pp. April 1991.

Presents a computer program that simulates, in considerable detail, beefpacking plant costs. The number, size, and characteristics of beef slaughtering and processing plants are changing, mainly because of cost considerations. Significant economies of size exist and lower operating costs can be achieved using two shifts and fully utilizing the plant and equipment. **Order # AGES 9115. \$11.00**



U.S. Markets for Caribbean Basin Fruits and Vegetables: Selected Characteristics for 17 Fresh and Frozen Imports, 1975-87, by Richard N. Brown, Jr., and Nydia R. Suarez. 200 pp. March 1991.

Provides annual and monthly overviews and a database from 1975-87 for U.S. production, trade, consumption, and prices of 15 fresh fruits and vegetables and 2 frozen vegetables. When the Caribbean Basin Economic Recovery Act offered duty-free access to U.S. markets for 27 Caribbean and Central American countries, analysts needed market information for non-traditional agricultural imports. Contains estimates of annual and seasonal wholesale prices in New York and Chicago. **Order # SB-821. \$14.00**

Less Developed Countries' Performance in High-Value Agricultural Trade, by Mary E. Burfisher, Margaret B. Missiaen, and Allen Blackman. 51 pp. April 1991.

Analyzes 35 less developed countries' (LDC's) exports of high-value and processed agricultural products (HVP's) during 1970-87 and the roles of supply and demand factors in accounting for their export performance. HVP's accounted for 83 percent of LDC farm exports. **Order # AGES 9118. \$8.00**

A complete listing

Here and on the pages that follow is a listing of all monographs, periodicals, and videotapes currently available from the ERS-NASS order desk. Please order by number using the order form on pages 25-26. Or call our order desk toll-free at 1-800-999-6779 (8:30-5:00 Eastern Time, in the United States and Canada) and charge your purchase to your VISA or MasterCard. Other areas, please call 301-725-7937.

Banking and Farm Credit

Recent Developments at the Farm Credit System, by Merritt Hughes. 16 pp. September 1989. **Order # AIB-572. \$3.00.** Outlines the recent financial position of the FCS and a number of factors likely to contribute to, or impede, its recuperation.

Nonmetro, Metro, and U.S. Bank Operating Statistics, 1986, by James J. Mikesell. 84 pp. October 1989. **Order # SB-787. \$8.00.** Presents operating statistics for U.S. banks for 1986, and comparisons with 1985.

Deregulation and Structure of Rural Financial Markets, by Daniel L. Milkove and Patrick J. Sullivan. 50 pp. February 1990. **Order # RDRR-75. \$11.00.** Examines the structure of rural bank markets, determines how this structure changed during the 1980's, and discusses probable scenarios for the future of the rural banking system.

Prospective Rural Effects of Bank Deregulation, by Stephen W. Hiemstra. 56 pp. March 1990. **Order # RDRR-76. \$11.00.** Focuses on rural implications of the expansion of commercial banks into investment banking and addresses provisions in the proposed legislation.

An Analysis of the Recent Surge in Consumer Debt in Rural Areas, by Donald L. Lerman. 40 pp. April 1990. **Order # AGES 9030. \$8.00.** Examines several elements of the recent surge in consumer debt of rural households using household-level survey data.

An Examination of Federal Reserve Behavior: An Applied Reaction Function Approach, by Paul A. Sundell. 36 pp. April 1990. **Order # AGES 9029. \$8.00.** Investigates the factors that have influenced Federal Reserve policy and, ultimately, bank interest rates.

Commodities

Leading Commodity Cash Receipts, 1960-87, by Robert P. Williams and others. 132 pp. March 1989. **Order # SB-777. \$8.00.** Presents data on cash receipts for 25 leading commodities by State to reflect production and sales of each commodity in each State.

U.S. Rice Distribution Patterns, 1986/87, by Nathan W. Childs. 29 pp. March 1989. **Order # SB-776. \$5.50.** Detailed data on domestic rice shipments and distribution from 31 rice milling and 7 repackaging firms.

The U.S. Watermelon Industry, by Amy J. Allred and Gary Lucier. 73 pp. March 1990. **Order # AGES 9015. \$11.00.** Reviews supply and utilization trends, prices, transportation, packaging, marketing, cash receipts, and costs of producing watermelons.

Bibliography of Economic Reports on the Production and Marketing of Fruits and Vegetables, 1981-89, by Joan Pearrow and Nadine Loftin. 71 pp. September 1990. **Order # BLA-102. \$11.00.** Lists research publications that deal with the economics of fruits and vegetables published from January 1981 to June 1989.

Integrated Pest Management (IPM) in the Vegetable Industry During the 1980's, by Catherine R. Greene and Gerrit W. Cuperus. 19 pp. February 1991. **Order # AGES-9107. \$8.00.** Examines the funding and adoption of IPM programs for vegetable crops, using statistics based on annual State-level Extension Service reports.

Choice Beef Prices and Price Spreads Series: Methodology and Revisions, by T. Fred White and others. 52 pp. February 1991. **Order # AGES-9106. \$8.00.** Presents a revised ERS methodology for calculating Choice retail, wholesale, and live beef values and the resulting series of price spreads.

Reevaluation of the Beef Carcass-to-Retail Weight Conversion Factor, by Kenneth E. Nelson and others. 44 pp. October 1989. **Order # AER-623. \$5.50.** Develops a new method for evaluating the conversion factor used for changing beef carcass weight data to retail weight.

U.S. Egg and Poultry Statistical Series, 1960-89, by Mark R. Weimar and Shauna Cromer. 234 pp. September 1990. **Order # SB-816. \$14.00.** Reports monthly, quarterly, and annual 1960-89 data for eggs, turkeys, and broilers. Data cover production, stocks, trade, per capita consumption, costs of production, farm prices, wholesale prices, and retail prices.

Estimates of the Costs of Producing Milk in Seven Major Milk-Producing Countries, 1986, by Derek Baker and others. 16 pp. August 1990. **Order # AGES 9056. \$4.00.** Looks at costs of producing milk in Canada, West Germany, France, Ireland, the Netherlands, New Zealand, and the United States.

Quarterly Forecasting of Meat Retail Prices: A Vector Autoregression Approach, by Howard Elitzak and W. Noel Blisard. 20 pp. June 1989. **Order # AGES 89-27. \$5.50.** Uses vector autoregression models to forecast five meat and fish Consumer Price Indexes.

Costs of Producing U.S. Livestock, 1972-87: Estimating and Methodology Update, by Hosein Shapouri and others. 98 pp. April 1990. **Order # AER-632. \$11.00.** Presents a way to make a consistent set of cost and returns estimates for U.S. livestock production in 1972-87, a period in which there were data gaps and in which many estimating methods and formats were used.

How Costs of Production Vary, by Mary Ahearn and others. 20 pp. May 1990. **Order # AIB-599. \$4.00.** Analyzes groups of producers at various cost levels and shows that costs of producing crops per unit of output vary considerably by farm.

State-Level Costs of Production, 1987, by Robert McElroy and others. 88 pp. March 1989. **Order # AGES 89-13. \$8.00.** The State estimates in the 158 tables in this report cover data on major field crops (except sugar crops).

Floriculture and Environmental Horticulture Products: A Production and Marketing Statistical Review, 1960-88, by Doyle C. Johnson. 245 pp. September 1990. **Order # SB-817. \$14.00.** Provides statistical information on the production, marketing, and trade of floral, nursery, and related products of the greenhouse and nursery industry in the United States and the world.

Representative U.S. Wheat Farms, by Michael E. Salassi. 71 pp. January 1990. **Order # SB-786. \$11.00.** Gives average organizational and financial characteristics of representative farms, by size, in 12 States.

The Wheat Program in the 1990's: Issues for Decisionmakers, by Edwin Young and others. 16 pp. June 1990. **Order # AIB-606. \$4.00.** Describes the evolution of U.S. wheat policy and major wheat program issues of the 1990's.

State-Level Wheat Statistics, 1949-88, by Jim Langley and Suchada Langley. 96 pp. March 1989. **Order # SB-779. \$8.00.** Provides State-level data on production levels and trends for all wheat, winter wheat, durum wheat, and other spring wheat for 1949-88.

Optimal Futures Positions for Corn and Soybean Growers Facing Price and Yield Risk, by Dwight Grant. 48 pp. March 1989. **Order # TB-1751. \$5.50.** Presents a model of futures trading for crop producers with random yields.

Effects of Railroad Deregulation on Grain Transportation, by James M. MacDonald. 52 pp. June 1989. **Order # TB-1759. \$5.50.** Looks at how shippers now benefit from increased competition among railroads and from reductions in rail costs.

The U.S. Sheep Industry, by Richard Stillman and others. 52 pp. July 1990. **Order # AGES 9048. \$8.00.** Focuses on production of lamb and lamb products, returns in the sheep industry, demand, and marketing trends.

Financial Performance of Specialized Hog Farms, by Robert Dubman and Gregory Hanson. 12 pp. December 1989. **Order # AIB-578. \$3.00.** Finds that specialized hog farms had more favorable financial conditions in 1987 than most other commodity specialty farms.

Financial Performance of Specialized Corn-Soybean Farms, 1987, by Robert Dubman and Gregory Hanson. 12 pp. January 1990. **Order # AIB-583. \$4.00.** Finds that specialized corn-soybean farms fared better financially in 1987 than most other specialized commodity farms.

The U.S. Milling and Baking Industries, by Joy L. Harwood and others. 74 pp. December 1989. **Order # AER-611. \$8.00.** Describes the milling and baking industries' structure, conduct, and performance, and examines current trends.

Cotton Ginning Charges, Harvesting Practices, and Selected Marketing Costs, 1989/90 Season, by Edward H. Glade and Mae Dean Johnson. 4 pp. October 1989. **Order # AGES 9065. \$4.00.** Finds that the average charge for saw-ginning and wrapping a 480-pound net-weight bale of U.S. upland cotton was \$44.26 during 1989/90, compared with \$45.14 per bale the previous season.

Cotton Production Costs Vary Widely by Region, Yield, and Operation Size, by Kenneth H. Mathews, Jr. and others. 11 pp. January 1991. **Order # AIB-617. \$4.00.** Describes the cost of producing cotton in 1987 to see how yield, size, irrigation and other inputs, land tenure, and producer age and education affected cotton production costs among and within regions.

Cotton Production and Water Quality: An Initial Assessment, by Stephen R. Crutchfield and others. 28 pp. February 1991. **Order # AGES-9105. \$8.00.** Shows that current cotton practices potentially allow nitrates to leach into ground water and pesticides to drain into surface water.

Cotton Agricultural Chemical Use and Farming Practices in 1989: An Overview of Survey Results, by Stephen R. Crutchfield. 17 pp. December 1990. **Order # AGES-9076. \$4.00.** Summarizes current cotton production practices regarding pesticide and fertilizer use, pest management practices, soil conservation and tillage practices, water use, and characteristics of cotton producers.

Peanuts: State-Level Costs of Production, 1986-88, by Robert Dismukes and others. 24 pp. September 1990. **Order # AGES-9063. \$8.00.**

Cotton: State-Level Costs of Production, 1986-88, by Kenneth H. Mathews, Jr. and others. 27 pp. September 1990. **Order # AGES 9061. \$8.00.**

Corn: State-Level Costs of Production, 1986-88, by Robert A. Pelly and Mir B. Ali. 35 pp. June 1990. **Order # AGES 9045. \$8.00.**

Barley: State-Level Costs of Production, 1986-88, by William D. McBride and others. 26 pp. June 1990. **Order # AGES 9046. \$8.00.**

Commodity Background Papers

Congress recently enacted new farm legislation to replace the Food Security Act of 1985. The following background papers summarize in a nontechnical form the experience with various farm programs and the key characteristics of the commodities and the farm industries which produce them.

Dairy: Background for 1990 Farm Legislation, by Richard F. Fallert and others. 74 pp. March 1990. **Order # AGES 9020. \$11.00.**

Soybeans and Peanuts: Background for 1990 Farm Legislation, by Brad Crowder and others. 66 pp. March 1990. **Order # AIB-592. \$11.00.**

Fibers: Background for 1990 Farm Legislation, by Harold Stults and others. 89 pp. March 1990. **Order # AIB-591. \$11.00.**

U.S. Feed Grains: Background for 1990 Farm Legislation, by Linwood Hoffman and others. 230 pp. May 1990. **Order # AIB-604. \$14.00.**

Sugar: Background for 1990 Farm Legislation, by Robert Barry. 96 pp. February 1990. **Order # AGES 9006. \$11.00.**

Honey: Background for 1990 Farm Legislation, by Frederic L. Hoff and Jane K. Phillips. 42 pp. September 1989. **Order # AGES 89-43. \$5.50.**

Food Grains: Background for 1990 Farm Legislation, by C. Edwin Young and others. 144 pp. August 1990. **Order # AIB-602. \$11.00.**

Tobacco: Background for 1990 Farm Legislation, by Verner N. Grise. 68 pp. October 1989. **Order # AGES 89-48. \$8.00.**

Farm Programs

Crops, Livestock, and Farm Programs: Overlooked Interactions, by Clark Edwards. 64 pp. September 1990. **Order # AER-638. \$11.00.** Examines how shifts in consumer and importer demand, resource supply, technology, capital accumulation, or farm programs affect different enterprises in ways often not anticipated by economic analysts.

An Economic Assessment of the Freeze on Program Yields, by Thomas W. Hertel, Marinos E. Tsigas, and Paul V. Preckel. 26 pp. December 1990. **Order # AGES 9066. \$8.00.** Finds that the freeze on program payment yields introduced in the Food Security Act of 1985 apparently reduced the use of variable inputs in wheat production while raising market prices and net returns.

Effects of Government Programs on Rice Production Costs and Returns, by Michael Salassi and others. 12 pp. March 1990. **Order # AIB-597. \$4.00.** This analysis, the first of its kind to show direct effects of Government programs, finds gross returns, production costs, and net returns to be higher when Government payments are included in the costs/returns calculations.

Profile of Farms Benefiting from the 1982 Farm Commodity Programs, by Frederick J. Nelson. 72 pp. September 1989. **Order # AGES 89-32. \$8.00.** Looks at the 1982 and 1986 commodity support programs and the characteristics of program beneficiaries.

Economic Effects of Mandatory Production Controls, by C. Edwin Young and others. 36 pp. March 1989. **Order # AER-595. \$5.50.** A mandatory production control program using acreage allotments to increase commodity prices to 80 percent of parity will increase aggregate net farm income by slightly less than \$80 billion over a 5-year period and can raise consumer costs by about the same amount (over current trends).

Program Provisions for Program Crops: A Database for 1961-90, by Robert C. Green. 113 pp. March 1990. **Order # AGES 9010. \$11.00.** Looks at legislation that provided the foundation for commodity support programs and highlights

legislation that revised and supplemented the basic structure of these programs.

U.S. Farm Programs and Agricultural Resources, by Robbin Shoemaker and others. 12 pp. September 1990. **Order # AIB-614. \$4.00.** Finds that U.S. agricultural programs have a greater effect on land and other farm inputs than on commodity production.

Federal Crop Insurance and the 1990 Farm Bill: An Assessment of Program Options, by Joseph W. Glauber and others. 38 pp. September 1989. **Order # AGES 89-45. \$5.50.** Examines how the program and alternatives affect market prices, commodity market participation, producer revenues, and the Federal budget.

The Disaster Assistance Act of 1989: A Description of the Provisions, by Susan L. Pollack. 19 pp. November 1989. **Order # AGES 89-59. \$5.50.** Summarizes provisions of the Disaster Assistance Act of 1989 (P.L. 101-82) which provided assistance to crop and livestock producers who suffered harvest losses from natural disasters in 1988 and 1989.

U.S. Milk Markets Under Alternative Federal Order Pricing Policies, by Howard McDowell, Ann Fleming, and Felix Spinelli. 31 pp. November 1990. **Order # AGES-9068. \$8.00.** Compares U.S. milk markets under 1988 provisions against three alternative policies using an interregional trade model comprising 15 regions.

Federal Marketing Orders for Fruits, Vegetables, Nuts, and Specialty Crops, by Nicholas J. Powers. 34 pp. March 1990. **Order # AER-629. \$8.00.** Explains why there is a Federal marketing order for horticultural crops, its development and operation, and its effect on market participants.

Federal Marketing Orders for Horticultural Crops, by Nicholas J. Powers. 16 pp. March 1990. **Order # AIB-590. \$4.00.** Describes the purpose of horticultural marketing orders and their effects on growers, marketers, input suppliers, food processors, and consumers.

Farmworkers and Farm Employment

The Agricultural Work Force of 1987: A Statistical Profile, by Victor J. Oliveira and E. Jane Cox. 40 pp. May 1989. **Order # AER-609. \$5.50.** Discusses the demographic, employment, and regional characteristics of the agricultural work force, including hired farmworkers, farm operators, and unpaid farmworkers.

A Summary of Federal Laws and Regulations Affecting Agricultural Employers, by Jack L. Runyan. 18 pp. January 1989. **Order # AIB-550. \$5.50.** A single source of information describing Federal laws and regulations that pertain to agricultural employer-employee relations and agricultural employment taxes.

Labor Expenditures Help Determine Farms Affected by Immigration Reform, by James A. Duffield and others. 16 pp. April 1989. **Order # AIB-557. \$3.00.** Focuses on farms that reported labor expenditures in 1986 in terms of commodities produced, sales class, and location to identify farms most vulnerable to a reduced supply of farmworkers.

Where Do Farm Households Earn Their Income? by Nora Brooks and Donn A. Reimund. 8 pp. February 1989. **Order # AIB-560. \$3.00.** Examines the relative importance of farm and off-farm sources of income by type of farm, farm size, region, and proximity to metro employment centers.

Trends in the Hired Farm Working Force, 1945-87, by Victor J. Oliveira. 16 pp. April 1989. **Order # AIB-561. \$3.00.** Examines factors behind the historical trends in the size and composition of the hired farm workforce.

Alternative Definitions of Farm People, by Vera Banks and others. 36 pp. March 1989. **Order # AGES 89-9. \$5.50.** Notes differences among farm population definitions by residence, income, and farm occupation.

The Farm Entrepreneurial Population, 1988, by Margaret A. Butler. 28 pp. July 1990. **Order # RDRR-78. \$8.00.** Analyzes census data on income, education, and other characteristics of the group identified by farm occupation and farm self-employment criteria.

Estimating Farm Labor Elasticities to Analyze the Effects Of Immigration Reform, by James A. Duffield. 20 pp. February 1990. **Order # AGES 9013. \$8.00.** Uses a simultaneous equation model to measure the effect of the Immigration Control Act of 1986 on the U.S. farm labor market.

Nonfarm Employment of Farm Operators, Hired Farmworkers, and Unpaid Farmworkers, by Victor J. Oliveira. 20 pp. January 1990. **Order # AER-624. \$4.00.** Looks at age of worker, education level, minority status, head of household status, days spent doing farmwork, and residence in metropolitan areas and how these factors affect hired farmwork.

Agriculture-Related Employment: Farm Commodity Programs and Rural Economies, by Mindy Petrulis and others. 16 pp. September 1990. **Order # AIB-613. \$4.00.** Describes the modern food and fiber complex and government commodity programs and how they affect nonmetro economies and employment.

Characteristics of Agricultural Work Force Households, 1987, by Victor J. Oliveira and E. Jane Cox. 8 pp. August 1990. **Order # AIB-612. \$4.00.** Spotlights those households most affected by farm job loss.

Farm Operations and Finance

Estimating Entry and Exit of U.S. Farms, by Fred Gale and David Henderson. 16 pp. March 1991. **Order # AGES-9119. \$4.00.** Finds that the number of farms declined during the 1980's mostly because of fewer people starting farms rather than an increase in the rate of operators leaving farming.

Involuntary Exits from Farming: Evidence from Four Studies, by Susan E. Bentley and others. 16 pp. November 1989. **Order # AER-625. \$3.00.** Analyzes four cases of farm exit in southwestern Wisconsin, Texas, North Dakota, and Dodge County, Georgia, mainly during the early 1980's.

Exits from Farming in Southwestern Wisconsin, 1982-86, by Susan E. Bentley and William E. Saupe. 24 pp. February 1990. **Order # AER-631. \$8.00.** Finds that one in every five farm operators in southwestern Wisconsin left farming in the early 1980's.

Farm Businesses End the Decade With Strong Financial Performance, by Mitchell J. Morehart and others. 21 pp. October 1990. **Order # AIB-616. \$8.00.** Presents findings (as of January 1, 1990) on the financial performance of U.S. farms. *Updates the next two listings.*

Financial Characteristics of U.S. Farms, January 1, 1989: A Summary, by Mitchell J. Morehart and others. 16 pp. July 1989. **Order # AIB-569. \$3.00.** Summarizes information on the financial performance of farmers from the January 1, 1989, Farm Costs and Returns Survey.

Financial Characteristics of U.S. Farms, January 1, 1989, by Mitchell J. Morehart and others. 171 pp. December 1989. **Order # AIB-579. \$8.00.** Provides a detailed analysis of farm financial performance based on the latest information from the January 1, 1989, Farm Costs and Returns Survey.

Farm Financial Conditions, by Region, January 1, 1989, by Gregory Hanson and others. 12 pp. December 1989. **Order # AIB-577. \$3.00.** Presents farm financial findings from USDA's annual Farm Costs and Returns Survey.

Farm Operating and Financial Characteristics, 1987, by Mitchell Morehart. 168 pp. April 1990. **Order # AGES 9032. \$14.00.** Presents an assortment of farm economic data along with statistical measures of precision for 1987.

Alternative Measures of Farm Output to Classify Farms by Size, by Gregory D. Hanson and others. 32 pp. January 1989. **Order # TB-1749. \$5.50.** Looks at six different ways of classifying farms to determine how they are faring: three measures based on value of sales and three measures based on value of production.

Estimating Supply Response of Multiproduct Farms, by V. Eldon Ball. 24 pp. January 1989. **Order # TB-1750. \$5.50.** Finds that operators of multiproduct farms make production decisions based on aggregate economic assessments, not just on isolated assessments for each crop.

The U.S. Farming Sector Entering the 1990's: Twelfth Annual Report on the Status of Family Farms, by Thomas Carlin and Sara Mazie. 72 pp. June 1990. **Order # AIB-587. \$11.00.** Finds that the U.S. farm sector entered the 1990's in a much-improved financial position after the financial difficulties of the early and mid-1980's.

The Distribution of Farm Program Payments, 1987, by Robert D. Reinsel. 11 pp. June 1990. **Order # AIB-607. \$4.00.** Shows which groups of farms received Government program payments in 1987, and in what amount and proportion.

Cash Rents for Farms, Cropland, and Pasture, 1960-89, by John Jones and Roger Hexem. 43 pp. October 1990. **Order # SB-813. \$8.00.** This bulletin reports State-average cash rents for whole farms, cropland, and pasture and cash rents as percentages of rented land values during 1960-89.

Farm Structural Trends in the 1980's, by Nora L. Brooks and others. 6 pp. June 1990. **Order # AIB-605. \$4.00.** A snapshot of the farm sector, covering trends in farm numbers, size, sales, asset values, operator characteristics, and farmland, based on 1987 Census of Agriculture data.

Farmer Buying/Selling Strategies and Growth of Crop Farms, by Kenneth R. Krause. 132 pp. April 1989. **Order # TB-1756. \$8.00.** Finds that large crop farms, with large input purchases and product sales, can often bargain for better terms than are available to smaller farms and can get better prices or access to services.

Dynamic Asset Replacement Decisions To Enhance Farm Profits, by John W. McClelland and others. 24 pp. June 1989. **Order # TB-1758. \$5.50.** Develops a model which can improve farm profitability by helping farmers determine when to rejuvenate assets instead of replacing them.

A Historical Look at Farm Income, by Cheryl D. Johnson. 27 pp. May 1990. **Order # SB-807. \$8.00.** Presents the national farm income statistics, dating back to 1910.

Aspects of Farm Finances: Distribution of Income, Family Income, and Direct Payments, 1986, by Robert D. Reinsel and David Banker. 28 pp. April 1990. **Order # AER-630. \$8.00.** Cross-classifies 1986 Farm Costs and Returns Survey data to more clearly show the diverse nature of farms and their greatly varying financial conditions.

Farmland

State Laws Relating to the Ownership of U.S. Land by Aliens and Business Entities, December 31, 1989, by J. David Aiken. 88 pp. March 1991. **Order # AGES-9111. \$11.00.** A guide for persons interested in determining the way that State laws may affect alien or business-entity ownership of U.S. land.

Trends in Ownership Transfers of Rural Land, by Gene Wunderlich. 8 pp. May 1990. **Order # AIB-601. \$4.00.** Presents findings of 1988 survey of rural land transfers to determine rate of change of rural real estate ownership.

Rural Land Transfers in the United States, by Paul W. Barkley and Gene Wunderlich. 20 pp. October 1989. **Order # AIB-574. \$5.50.** Using a 1988 survey, report shows that 88.4 percent of all rural land transferred each year is agricultural land, but only 4.8 percent of land transferred each year goes to nonfarmers.

Transfers of Rural Land, by Gene Wunderlich. 4 pp. July 1989. **Order # AIB-568. \$3.00.** Summarizes a 1988 nationwide survey of rural land transfers which found 4.6 percent of parcels and 3.5 percent of rural acreage changed hands in 1987.

Major Uses of Land in the United States: 1987, by Arthur B. Daugherty. 35 pp. January 1991. **Order # AER-643. \$8.00.** Shows that 75 percent of U.S. land area in 1987 was in cropland, grassland pasture and range, and forest land. Land in nonagricultural and miscellaneous other uses, such as parks and wildlife refuges, increased by 3 percent since 1982.

Returns, Interest Rates, and Cropland Prices in Selected Regions, by Karl Gertel and Patrick Canning. 18 pp. April 1990. **Order # TB-1778. \$4.00.** Examines how returns to land and real interest rates on farm mortgages affect farmland prices in the Corn Belt, selected winter wheat-growing areas of Kansas, and soybean- and cotton-growing areas of the Mississippi Delta.

U.S. Grazing Lands: 1950-82, by Arthur B. Daugherty. 75 pp. January 1989. **Order # SB-771. \$8.00.** Examines grazing trends, demands, resources, and conditions of resources through 1982.

Metropolitan Growth and Agriculture: Farming in the City's Shadow, by Ralph E. Heimlich and Douglas H. Brooks. 20 pp. September 1989. **Order # AER-619. \$5.50.** Looks at farming in metro areas.

Structural Changes in U.S. Farmland, by Robert C. Reining. 17 pp. June 1990. **Order # AER-617. \$8.00.** Examines changes in the distribution of land, sales, and tenure among farms.

Foreign Investment in U.S. Cropland: Some Evidence on the Role of Exchange Rates, Interest Rates, and Returns on Cropland, by John Kitchen and J. Peter DeBraal. 13 pp. September 1989. **Order # AGES 89-44. \$3.00.** Examines the role of exchange rates, cropland returns, and the real interest rate as determinants of foreign investment in U.S. cropland.

The Contribution of Speculative Bubbles to Farmland Prices, by Ababayehu Tegene and Fred Kuchler. 25 pp. July 1990. **Order # TB-1782. \$8.00.** Details tests for the presence of speculative bubbles in farmland prices.

Conservation and the Conservation Reserve

The Conservation Reserve Program: An Economic Assessment, by C. Edwin Young and C. Tim Osborn. 40 pp. February 1990. **Order # AER-626. \$8.00.** Estimates the net economic benefits of the CRP.

Natural Resources and Users Benefit from the Conservation Reserve Program, by Marc O. Ribaud and others. 51 pp. January 1990. **Order # AER-627. \$8.00.** Estimates how retiring cropland benefits natural resources under three scenarios of CRP enrollment.

The Conservation Reserve Program: Enrollment Statistics for Signup Periods 1-9 and Fiscal Year 1989, by C. Tim Osborn and others. 152 pp. July 1990. **Order # SB-811. \$14.00.** Presents CRP enrollment and accomplishments.

Implementing the Conservation Reserve Program: Analysis of Environmental Options, by Clayton W. Ogg and others. 26 pp. October 1989. **Order # AER-618. \$5.50.** Addresses which types of land to target to gain maximum environmental benefits from the CRP.

Soil Depletion Estimates: Version 2: A User's Guide to a Personal Computer Model for Estimating Long-Term Onsite Physical and Economic Impacts of Soil Depletion, by Leonard L. Bull and Daniel E. Kugler. 21 pp. January 1990. **Order # AGES 9005. \$8.00.** Compares shortrun and longrun effects on erosion and economic returns from alternative resource management systems.

Investments in Soil Conservation and Land Improvements: Factors Explaining Farmers' Decisions, by Elizabeth G. Nielsen and others. 36 pp. January 1989. **Order # AER-601. \$5.50.** Sheds new light on factors that determine farmers' investments in land improvements, including soil conservation, drainage, and land clearing.

A Permanent Wetland Reserve: Analysis of a New Approach to Wetland Protection, by Marc Carey and others. 20 pp. August 1990. **Order # AIB-610. \$4.00.** Discusses the likely geographic distribution of a permanent wetland reserve, crop rotations likely to be affected, and potential easement and restoration costs.

Productivity and Erodibility of U.S. Cropland, by Ralph E. Heimlich. 21 pp. January 1989. **Order # AER-604. \$5.50.** Finds that highly erodible farmland may also be highly productive and valuable.

Water Quality Benefits from the Conservation Reserve Program, by Marc O. Ribaud. 30 pp. February 1989. **Order # AER-606. \$5.50.** Looks at the estimated \$3.5 to \$4 billion in water quality benefits that may be generated as a side effect of the Conservation Reserve Program.

Irrigated Acreage in the Conservation Reserve Program, by Glenn D. Schaible. 19 pp. July 1989. **Order # AER-610. \$5.50.** Identifies the extent of marginal irrigated acreage enrolled in the CRP through 1987 and the likely amount of such land to be enrolled in the CRP.

The Conservation Reserve Program and Its Effect on Land Values, by Robbin Shoemaker. 5 pp. January 1989. **Order # AIB-554. \$3.00.** Uses differences in average bids between signups (enrollment periods) to estimate an upper limit on the CRP's effects on the value of enrolled land.

Estimating the Offsite Household Damages from Wind Erosion in the Western United States, by Stephen Piper and Linda K. Lee. 21 pp. June 1989. **Order # AGES 89-26. \$5.50.** Finds that wind-caused soil erosion in some western regions increases the need for interior and exterior cleaning, reduces recreational opportunities, and impairs health.

Soil Erosion: What Effect on Agricultural Productivity? by Klaus Alt and others. 6 pp. January 1989. **Order # AIB-556. \$3.00.** Estimates the potential losses in agricultural productivity from wind, sheet, and rill erosion.

Farm Policy

Monetary Policy: The Potential Role for Agricultural Commodity Prices, by John Kitchen and others. 22 pp. June 1990. **Order # TB-1779. \$8.00.** Presents empirical evidence on the relationships among agricultural and nonagricultural commodity prices, general price level, monetary aggregates, interest rates, industrial production, and the exchange rate.

Agricultural-Food Policy Review: U.S. Agricultural Policies in a Changing World. 404 pp. November 1989. **Order # AER-620. \$12.00.** Brings together background information for assessing today's agricultural sector and programs of the Food Security Act of 1985, and for looking at new agricultural, environmental, and rural development strategies.

Changes in U.S. Agriculture and Emerging Issues for Legislation in the 1990's, by Kathryn L. Lipton. 12 pp. December 1989. **Order # AIB-584. \$3.00.** Outlines recent changes in the structure and financial picture of U.S. agriculture and previews some topics that may be considered in farm legislation.

A Glossary of Food and Agricultural Policy Terms, 1989, by Kathryn L. Lipton and Susan L. Pollack. 46 pp. November 1989. **Order # AIB-573. \$5.50.** A guide to many terms associated with food and agricultural policies and programs.

World Food Security: The Effect of U.S. Farm Policy, by Mark E. Smith. 8 pp. April 1990. **Order # AIB-600. \$4.00.** Defines U.S. world food security and looks at how U.S. domestic farm policies affect it.

The Basic Mechanisms of Japanese Farm Policy. 40 pp. February 1990. **Order # MP-1478. \$5.50.** Illustrates the workings of Japanese farm policy, looking at rice price support and beef import restrictions.

The Basic Mechanisms of European Community (EC) Farm Policy. 28 pp. August 1990. **Order # MP-1485. \$5.50.** Illustrates the effects of target, intervention, and threshold prices, plus levies and refunds.

The 1990 Farm Act and the 1990 Budget Reconciliation Act: How U.S. Farm Policy Mechanisms Will Work Under New Legislation. 40 pp. December 1990. **Order # MP-1489. \$8.00.** This popular booklet explains the main features of the new 5-year farm law in easy-to-follow pages of illustrative material. These "verbal graphics" act as a self-programmed instruction method, leading the reader from one point to the next. The booklet works in the same general way as an informal briefing that makes its points step-by-step with overhead transparencies. Its focus is on program commodities.

Basic Mechanisms of U.S. Farm Policy

The Basic Mechanisms of U.S. Farm Policy: How They Work, with Examples and Illustrations. 88 pp. January 1990. **Order # MP-1479. \$6.50.** Describes in plain English the key concepts of how U.S. farm policy works. Takes you step by step through the major programs. Separated into three, easy-to-follow sections. *Also available in separate volumes, as shown below.*

The Basic Mechanisms of U.S. Farm Policy, Part One: Target, Loan & Deficiency. 28 pp. May 1989. **Order # MP-1470. \$5.50.**

The Basic Mechanisms of U.S. Farm Policy: Part Two: Deficiency Payments, Certificates, and PIK & Roll. 32 pp. December 1989. **Order # MP-1476. \$5.50.**

The Basic Mechanisms of U.S. Farm Policy: Part Three: Export Enhancement, FOR, Marketing Loans, Disaster Payments, and CRP. 28 pp. December 1989. **Order # MP-1477. \$5.50.**

Food

U.S. Food Spending and Income: Changes Through the Years, by Alden Manchester. 19 pp. January 1991. **Order # AIB-618. \$4.00.** Explores relationships that have contributed to increases in U.S. food spending over the years and the decline in food spending's share of personal income.

Food Marketing Review, 1989-90. 126 pp. November 1990. **Order # AER-639. \$11.00.** Examines developments in the food marketing system, encompassing all firms servicing the U.S. food supply such as manufacturing, wholesaling, and retailing.

The Food Marketing System in 1989, by Anthony E. Gallo. 16 pp. May 1990. **Order # AIB-603. \$4.00.** Analyzes and assesses yearly developments in industry growth and performance, and the structure of the institutions—food processors, wholesalers, retailers, and foodservice firms—which make up the Nation's food marketing system.

Food Cost Review, 1989, by Denis Dunham. 56 pp. July 1990. **Order # AER-636. \$11.00.** Looks at how much food prices rose in 1989 and why, how much of the retail food price the farm value represents, how farm-to-retail price spreads changed, and how much Americans spent for farm-produced food.

Food Costs...From Farm to Retail in 1990, by Denis Dunham. 12 pp. March 1991. **Order # AIB-619. \$4.00.** This annual report looks at how much food costs change, and how much of the consumer food dollar goes to the farmer. Retail food prices in 1990 averaged 5.8 percent above 1989.

Data for Food Demand Analysis: Availability, Characteristics, Options, by Alden C. Manchester. 48 pp. April 1990. **Order # AER-613. \$8.00.** Discusses the availability, characteristics, and derivation of time series for food consumption, food prices, food expenditures, and income for use in food demand analysis.

Supermarket Prices and Price Differences: City, Firm, and Store-Level Determinants, by Philip R. Kaufman and Charles R. Handy. 68 pp. December 1989. **Order # TB-1776. \$8.00.** Investigates how much supermarket prices vary, both among firms within cities and among firms in different cities, and the reasons for these differences.

Generic Promotion of Agricultural Products: Balancing Producers' and Consumers' Needs, by William N. Blisard and James R. Blaylock. 6 pp. July 1989. **Order # AIB-565. \$3.00.** Examines policy issues involved in Government-authorized generic advertising programs.

Effects of Advertising on the Demand for Cheese, January 1982-June 1989, by James R. Blaylock and William N. Blisard. 32 pp. August 1990. **Order # AGES 9055. \$8.00.** Reports on research to determine what effect advertising has had on the demand for natural and processed cheese.

The Economics of Safeguarding the U.S. Food Supply, by Tanya Roberts and Eileen van Ravenswaay. 8 pp. July 1989. **Order # AIB-566. \$3.00.** A look at the economic issues involved in detecting and eliminating contaminants in

the food supply and the challenges of incorporating new technology into workable food safety policies.

Economic Analysis of Electron Accelerators and Cobalt-60 for Irradiating Food, by Rosanna M. Morrison. 38 pp. June 1989. **Order # TB-1762. \$5.50.** Average costs per pound of irradiating food are similar for the electron accelerator and cobalt-60 irradiators, but initial investment costs can vary by \$1 million.

Retail to Farm Linkage for a Complete Demand System of Food Commodities, by Michael K. Wohlgenant and Richard C. Haidacher. 47 pp. December 1989. **Order # TB-1775. \$8.00.** Describes a new conceptual model to estimate the effects of demand, supply, and marketing margins on retail food prices and farm prices.

U.S. Domestic Food Assistance Program: Lessons from the Past, by J. William Levedahl and Masao Matsumoto. 16 pp. January 1990. **Order # AIB-570. \$4.00.** Describes current domestic food assistance programs, their relationships to each other, their effects on the food production and marketing sectors, and cost.

Futures and Options

Subsidized Put Options as Alternatives to Price Supports, by Joseph W. Glauber and Mario J. Miranda. 24 pp. December 1989. **Order # TB-1773. \$5.50.** Compares effectiveness of a subsidized put option program to support and stabilize producer income with the current program.

Effects of a Subsidized Put Option Program and Forward Selling on Farmers' Revenue Risks, by Gerald Plato. 26 pp. December 1989. **Order # TB-1777. \$5.50.** Compares the effectiveness of the current commodity program for cotton, corn, soybeans, and wheat with the effectiveness of a subsidized put option program for these four commodities.

Potentials for Substituting Farmers' Use of Futures and Options for Farm Programs, by Richard G. Heifner and Bruce Wright. 75 pp. December 1989. **Order # AER-628. \$8.00.** Identifies possibilities and quantifies the effects of policy alternatives that involve greater use of forward markets.

Futures, Options, and Farm Programs: Report to Congress on a Study Mandated by the Food Security Act of 1985, by Richard G. Heifner and others. 28 pp. January 1990. **Order # AGES-9003. \$8.00.** Looks at how farmers might use futures and options markets, the price stability and income protection attainable through such use, and the effects on the Federal budget.

Inputs

A Direct Approach for Estimating Nitrogen, Phosphorus, and Land Demands at the Regional Level, by Harry Vroomen and Bruce Larson. 17 pp. March 1991. **Order # TB-1786. \$8.00.** Finds that estimates of fertilizer and land demands in the Corn Belt reveal profit-maximizing input elasticities of demand.

Global Trade in Agricultural Inputs, by Stan Daberkow and John Parks. 88 pp. September 1990. **Order # SB-812. \$11.00.** Gives historical perspective and statistics on the extent and direction of international trade in manufactured agricultural inputs and agricultural genetic materials.

Estimating Forage Values for Grazing National Forest Lands, by William F. Hahn and others. 68 pp. October 1989. **Order # AGES 89-51. \$8.00.** Provides estimates of the ability of ranchers to pay for Forest Service grazing.

Ethanol and U.S. Agriculture, by Sally Kane and Michael LeBlanc. 8 pp. January 1989. **Order # AIB-559. \$3.00.** Assesses contribution of ethanol production to national objectives on energy, environment, and trade policy.

Economics of Ethanol Production in the United States, by Sally M. Kane and John M. Reilly. 20 pp. March 1989. **Order # AER-607. \$5.50.** Evaluates structural characteristics of the ethanol industry, including economies of scale and the relative economics of wet- and dry-mill plants.

The Economic Cost of Unemployment and Underemployment, by Mervin J. Yetley. 28 pp. May 1989. **Order # AGES 89-17. \$5.50.** Describes the procedure used to estimate the magnitude of lost earnings due to both underemployment and unemployment.

Economic Returns to Boll Weevil Eradication, by Gerald A. Carlson and others. 31 pp. September 1989. **Order # AER-621. \$5.50.** Evaluates returns of a pest control program in a large geographical area and the joint efforts of farmers and public agencies, in contrast to pest control efforts by individuals, which can be less successful.

Agricultural Pesticide Use Trends and Policy Issues, by Craig D. Osteen and Philip I. Szmedra. 87 pp. September 1989. **Order # AER-622. \$8.00.** Discusses pesticide use trends and factors affecting those trends.

Fertilizer Use and Price Statistics, 1960-88, by Harry Vroomen. 56 pp. July 1989. **Order # SB-780. \$8.00.** Includes quarterly or semiannual time series for farm fertilizer price indexes, consumption by plant nutrient and major selected products, and statistics on fertilizer use per acre by nutrient in major producing States for corn, cotton, soybeans, and wheat.

Fertilizer Trade Statistics, 1970-88, by Harry Vroomen. 28 pp. June 1989. **Order # SB-782. \$5.50.** Includes data on U.S. imports and exports of selected fertilizer materials; world and U.S. imports and exports of nitrogen, phosphate, and potash; and U.S. import origins and export destinations for selected fertilizer materials.

Seven Farm Input Industries, edited by Joseph R. Barse. 125 pp. September 1990. **Order # AER-635. \$11.00.** Describes seven industries that provide resources for farming (fertilizer, pesticides, energy, feed, credit, farm machinery, and hired labor) and explains the situation of the industries during 1966-86.

Tractor Depreciation and Technical Change: A Case Study of 60-Horsepower Tractors, by LeRoy Hansen and Hyunok Lee. 20 pp. February 1990. **Order # TB-1772. \$4.00.** Examines physical depreciation and technical change in farm tractors to quantify changes in this type of capital.

Major World Crop Areas and Climatic Profiles. 163 pp. **Order # AH-664. \$8.00.** Identifies key U.S. and foreign regions, concentrated production zones, and the normal timing of critical crop stages from planting for 13 major crops.

Weather in U.S. Agriculture: Monthly Temperature and Precipitation by State and Farm Production Region, 1950-88, by Lloyd D. Teigen and Florence Singer. 131 pp. November 1989. **Order # SB-789. \$8.00.** Shows monthly temperature and precipitation data by climatic division, in the 48 contiguous States using two alternative sets of weights: geographic areas and harvested cropland areas.

Effects of the 1988 Drought on Farm Finances, by Gerald Whittaker. 16 pp. August 1990. **Order # AIB-611. \$4.00.** This evaluation of the effects of the 1988 drought on farm finances finds that nine States in the Upper Midwest received 70 percent of Federal crop damage payments and 40 percent of the livestock feed disaster payments which were made through August 1989.

Irrigation and Water Use

Agricultural Use of Federally Supplied Irrigation Water, 1979-86, by Tom McGuckin and others. 70 pp. December 1989. **Order # SB-788. \$8.00.** Describes trends in cropping patterns and Bureau of Reclamation water use for 1979-86.

Economics of Controlling Sediment from Irrigation: An Idaho Example, by Richard Magleby and others. 32 pp. September 1989. **Order # AGES 89-33. \$5.50.** Summarizes the results of the evaluation of Idaho's Rock Creek Rural Clean Water Program project, an experimental program aimed at providing experience and insights for future nonpoint pollution control programs.

Irrigated Agriculture in the United States: State-Level Data, by John J. Hanchar. 72 pp. January 1989. **Order # SB-767. \$8.00.** Presents previously unreported State-level data on the structure and characteristics of irrigated farms in Arkansas, Louisiana, Florida, and the 17 Western States.

Public Policies in Water-Resource Use: Their Effect on Groundwater Mining and Surface-Water Imports, by C.S. Kim and Michael R. Moore. 35 pp. July 1989. **Order # TB-1764. \$5.50.** Analyzes the effect of public policies on the rate of groundwater use and on the timing of surface water transported into an area to satisfy regional water demand.

Factor Demand in Irrigated Agriculture Under Conditions of Restricted Water Supplies, by Daniel J. Bernardo and Norman K. Whittlesey. 13 pp. July 1989. **Order # TB-1765. \$5.50.** Uses a whole-farm irrigation management model to look at several scenarios of limited water supply.

A User's Manual for the Irrigation Production Data System (IPDS), by Glenn D. Schaible and others. 68 pp. April 1989. **Order # AGES 89-10. \$8.00.** Documents IPDS, a Lotus 1-2-3 microcomputer database, its structure, data, and computer requirements, and describes other characteristics of the system.

Economic Benefit Considerations In Selecting Water Quality Projects: Insights from the Rural Clean Water Program, by Stephen Piper and others. 36 pp. May 1989. Order # AGES 89-18. \$5.50. Finds that projects under the Rural Clean Water Program that preserve or improve water quality in a heavily used lake or estuary appear to have the greatest potential for generating net benefits.

Economic and Technical Adjustments In Irrigation Due to Declining Ground Water, by William Crosswhite and others. 35 pp. February 1990. Order # AGES 9018. \$8.00. Examines changes that irrigators are likely to make as the cost of water rises because of increasing pumping lift and declining well yields in groundwater areas.

Water Allocation Tradeoffs: Irrigation and Recreation, by Leroy T. Hansen and Arne Hallam. 21 pp. June 1990. Order # AER-634. \$8.00. Develops a procedure for estimating the marginal value of water used for fishing that includes the effects of upstream diversions on all points downstream.

New Technology

Water Conservation Through Irrigation Technology, by Donald H. Negri and John J. Hanchar. 12 pp. November 1989. Order # AIB-576. \$3.00. Finds that new equipment and advanced water management practices conserve water without sacrificing crop yields.

International Technology Transfer in U.S. Agriculture, by Margot Anderson. 12 pp. August 1989. Order # AIB-571. \$3.00. Discusses implications of and reasons for private sector expansion into agricultural research and technology transfers.

Issues Raised by New Agricultural Technologies: Livestock Growth Hormones, by Fred Kuchler and John McClelland. 40 pp. April 1989. Order # AER-608. \$5.50. Looks at the changes to be expected if all livestock were treated with growth hormones.

Chemigation: A Technology for the Future? by Noel Gollehon. 16 pp. July 1990. Order # AIB-608. \$4.00. Defines and describes chemigation, the use of an irrigation system to apply chemicals to soils and plants. Also discusses benefits as well as management and resource considerations.

How Technological Progress and Government Programs Influence Agricultural Land Values, by Robbin Shoemaker. 12 pp. January 1990. Order # AIB-582. \$4.00. Examines the mix of forces leading to the longrun increase in land values.

Consumer Effects of Biotechnology, by John M. Reilly. 12 pp. December 1989. Order # AIB-581. \$3.00. Identifies some of the issues and tradeoffs between concerns raised by biotechnology and the problems people hope biotechnology will solve.

Biotechnology and Agriculture: Emergence of Bovine Somatotropin (BST), by Don Blayney and Richard Fallert. 28 pp. June 1990. Order # AGES 9037. \$8.00. Updates and extends a 1987 study of BST and the dairy industry.

Rural Issues

Metro/Nonmetro Program Performance Under Title II-A, Job Training Partnership Act, by John M. Redman. 30 pp. December 1990. Order # AGES-9072. \$8.00. Compares metro and nonmetro program performance during program years 1986 and 1987.

Metro/Nonmetro Funding Allocation Under Title II-A, Job Training Partnership Act, by John M. Redman. 26 pp. November 1990. Order # AGES 9071. \$8.00. The Job Training Partnership Act's (JTPA) Title II program is the main Federal effort to improve employability of the economically disadvantaged.

Targeting Aid to Distressed Rural Areas: Indicators of Fiscal and Community Well-Being, by Richard J. Reeder. 54 pp. November 1990. Order # AGES 9067. \$11.00. Finds that commonly used indicators of fiscal and community well-being, such as unemployment, tax effort, and population size, disproportionately favor urban areas over rural ones.

The Rapid Rise in State Per Capita Income Inequality in the 1980's: Sources and Prospects, by Thomas D. Rowley, John M. Redman, and John Angle. 21 pp. January 1991. Order # AGES-9104. \$8.00. Finds that State per capita incomes diverged beginning in 1979, reversing a 50-year trend.

The Role of the Elderly's Income in Rural Development, by Robert A. Hoppe. 23 pp. January 1991. Order # RDRR-80. \$8.00. Examines the elderly's sources of income that could form an economic base for rural development. Finds that income of the elderly can help stabilize local economies and even create jobs.

An Update: The Diverse Social and Economic Structure of Nonmetropolitan America, by Thomas F. Hady and Peggy J. Ross. 38 pp. May 1990. Order # AGES 9036. \$8.00. Updates a 1979 classification system of nonmetro counties developed by ERS that identified rural counties according to their economic and social structure.

Effects of Population Growth and County Type on Farm Structure, 1970-80, by Nora Brooks and others. 20 pp. August 1989. Order # AGES 89-37. \$5.50. Examines whether farm structure is affected by change in community characteristics, and if these structural effects differ by the community's metro-nonmetro status.

Explanatory Guide to the ERS Metro and Nonmetro Labor Force and Income Data Diskette, by Martha Frederick. 24 pp. August 1989. Order # AGES 89-39. \$5.50. Explains the labor force, employment, and income data included on the ERS "Metro and Nonmetro Labor Force and Income Data Diskette."

Jobs and Earnings in Nonmetro Industry, by Linda M. Ghelfi and T. Alexander Majchrowicz. 12 pp. February 1990. Order # AIB-589. \$4.00. Finds that nonmetro job growth accelerated, and real earnings grew, but more slowly in 1987 than in 1982-86.

Rural America: Economic Performance, 1989, by J. Norman Reid and Martha Frederick. 24 pp. August 1990. Order # AIB-609. \$8.00. Finds that rural America's economy in 1980-89 was more sluggish than the urban economy and continued to undergo industrial restructuring.

State-Level Comparisons of Metro and Nonmetro Economic Performance, 1979-86, by John M. Redman and Thomas D. Rowley. 25 pp. November 1989. **Order # AGES 89-60. \$5.50.** Presents State-level data for 1979-86 on metro and nonmetro population, employment, and income, and describes individual States based on the relative economic performance of their metro and nonmetro areas.

Status of the Nonmetro Labor Force, 1987, by Alan R. Bird. 26 pp. September 1990. **Order # RDRR-79. \$8.00.** Develops indicators of labor market conditions and uses them to show that nonmetro workers faced generally more unfavorable employment conditions than metro workers in 1987.

Political Leaders as Entrepreneurs? Economic Development in Small Communities, by Alvin D. Sokolow and Julie Spezia. 33 pp. October 1990. **Order # RDRR-77. \$8.00.** Reviews 17 successful cases of smalltown development, which compare project initiators and their actions, and suggest several critical differences between local political leadership and entrepreneurship.

The Importance of Transfer Payments in Nonmetro America, by Linda Ghelfi and Robert Hoppe. 8 pp. March 1989. **Order # AIB-562. \$3.00.** Finds that transfer payments are a growing source of income in nonmetro areas, accounting for 18.7 percent of annual personal income in 1986.

Entrepreneurship Theories and Their Use in Rural Development: An Annotated Bibliography, by Martha Frederick and Celeste A. Long. 88 pp. April 1989. **Order # BLA-74. \$8.00.** A guide to theoretical material and to more recent empirical work on entrepreneurs in different economic climates.

Public Water Supply in Rural Communities: Results from the National Rural Community Facilities Assessment Study, by Thomas F. Stinson and others. 50 pp. January 1989. **Order # AGES 89-4. \$5.50.** Presents estimates on public water facilities serving rural communities.

Geographic Distribution of Federal Funds in 1985, by Elliott J. Dubin. 109 pp. March 1989. **Order # AGES 89-7. \$8.00.** Examines the metro/nonmetro distribution of Federal funds in fiscal year 1985.

The Drought of 1988: Effects on the U.S. Food and Fiber Sector and on Rural Communities. 53 pp. January 1989. **Order # AGES 89-8. \$5.50.** Presents data and information from surveys of farmers conducted during 1988.

Local Response to Federal Budget Policies: A Study of Nonmetropolitan Communities in Ohio, by Philip A. Russo, Jr., and others. 41 pp. June 1989. **Order # AGES 89-24. \$5.50.** Investigates how declining Federal funding, 1981-86, affected six nonmetro counties and six small cities in Ohio.

Helping Those Who Venture: Iowa's Rural Economic Development Measures, by Don F. Hadwiger. 38 pp. September 1990. **Order # AGES 9047. \$8.00.** Finds that a quarter of Iowa's State budget encompasses measures aimed at rural development.

Employment Stability Among Workers: A Case Study from Nine Nonmetro Kentucky Counties, 1979, by Donald K. Larson. 26 pp. July 1989. **Order # AGES 89-31. \$5.50.** Shows that even during a period of rapid growth (1974-79) in

south central Kentucky, employment was disrupted for some workers.

Rural-Urban Continuum Codes for Metro and Nonmetro Counties, by Margaret A. Butler. 38 pp. April 1990. **Order # AGES 9028. \$8.00.** Provides a one-digit code for each of 10 classifications for all U.S. counties.

Patterns of Change in the Rural Economy, 1969-86, by T. Alexander Majchrowicz. 36 pp. December 1989. **Order # RDRR-73. \$5.50.** Analyzes changes in county data on labor force, employment, and income for metro and nonmetro counties.

Survival and Growth of Independent Firms and Corporate Affiliates in Metro and Nonmetro America, by James P. Miller. 24 pp. February 1990. **Order # RDRR-74. \$8.00.** Reveals that local, independent firms survived better and grew faster than corporate affiliates in nonmetro areas.

Infrastructure Investment and Economic Development: Rural Strategies for the 1990's. 81 pp. December 1990. **Order # AGES 9069. \$11.00.** Explores the effects of investing in transportation, telecommunications, and water and wastewater infrastructure to improve rural economies.

Financial Market Intervention as a Rural Development Strategy. 93 pp. December 1990. **Order # AGES-9070. \$11.00.** Describes and assesses the effectiveness of the financial system currently serving rural America.

Trade and Foreign Issues

Foreign Agricultural Trade of the United States, Calendar Year 1989: Supplementary Tables, by Mary L. Fant. 296 pp. March 1991. **Order # AGES 9112. \$14.00.** Presents statistical summaries of U.S. foreign trade in agricultural products by country during calendar years 1988 and 1989. Shows exports and imports valued at more than \$1 million.

A Survey of Theoretical and Empirical Literature Related to Export Assistance, by Ann Hillberg Seitzinger and Philip L. Paarlberg. 32 pp. August 1989. **Order # AGES 89-34. \$5.50.** Examines the literature regarding global and targeted export assistance, including cash and payment-in-kind.

Global Food Assessment. 64 pp. November 1990. **Order # GFA-1. \$11.00.** Assesses both short-term (2 years), and longer term issues affecting food aid needs. Contains estimates for 1990/91 and 1991/92 for 55 developing countries based on USDA data as of September 12, 1990, and data from other sources.

World Oilseed and Products Trade, 1962-88, by Arthur B. Mackie and Samuel D. Calhoun. 130 pp. January 1991. **Order # SB-819. \$11.00.** Presents historical data on the volume of world trade in oilseeds, oils, and meals for 1962-88. World trade in these items, including soybeans, groundnuts, copra, palm, linseed, cotton, castor beans, sunflowerseed, rapeseed, olive oil, and other oilseed oils and meals, more than tripled during 1962-88.

Export Demand for U.S. Corn, Soybeans, and Wheat, by Cecil W. Davison and Carlos A. Arnade. 30 pp. January 1991. **Order # TB-1784. \$8.00.** Identifies the major markets for U.S. exports of corn, soybeans, and wheat, and estimates price and income elasticities for those markets to broaden the understanding of factors that affect the demand for U.S. exports.

Food Aid: Motivation and Allocation Criteria, by Shahla Shapouri and Margaret Missiaen. 44 pp. February 1990. **Order # FAER-240. \$8.00.** Evaluates the motives that affect food aid policies and distribution, including a review of food aid from the United States, the European Community, and Canada.

Foreign Aid's Effect on U.S. Farm Exports: Benefits or Penalties? by Alain de Janvry and others. 52 pp. November 1989. **Order # FAER-238. \$5.50.** Identifies conditions that increase aid-trade complementarity and implications for formulating and implementing development policy.

Competitiveness and Protection in World Agriculture, by Thomas L. Vollrath. 12 pp. July 1989. **Order # AIB-567. \$3.00.** Explores what agricultural competitiveness means by using three different measures: market share, relative export advantage, and revealed competitiveness.

World Agriculture: Trends and Indicators, 1970-89. 552 pp. September 1990. **Order # SB-815. \$14.00.** Statistics on aggregate economic and agricultural growth, performance, and trade indicators for the world, for 14 geographic regions, the European Community, and for 142 individual countries. Covers such topics as population, gross domestic product, consumption, factors of production, commodity production, trade, and resource use.

Agricultural Policy, Trade, Economic Growth, and Development. 191 pp. May 1989. **Order # AGES 89-19. \$8.00.** Provides an overview of the salient domestic agricultural policies that have affected trade, development, and growth in Malawi, Kenya, Thailand, Malaysia, Ecuador, and Guatemala.

Exporting Processed Instead of Raw Agricultural Products, by Gerald Schluter and William Edmondson. 20 pp. November 1989. **Order # AGES 89-58. \$5.50.** Examines the national output, income, and employment effects for selected raw commodity/processed commodity combinations.

The Export Enhancement Program: How Has It Affected Wheat Exports? by Ann Seitzinger and Philip Paarlberg. 12 pp. December 1989. **Order # AIB-575. \$3.00.** Finds that the Export Enhancement Program raised U.S. wheat export volume, prices, and gross export revenues.

Structural Econometric Model of the World Wheat Market, by Kenneth W. Bailey. 63 pp. June 1989. **Order # TB-1763. \$8.00.** Presents an econometric model to assess the effect of changing global policies and other conditions on world wheat trade and changes in U.S. farm programs on the rest of the world and on U.S. export levels.

Evaluation of Export Enhancement, Dollar Depreciation, and Loan Rate Reduction for Wheat, by Stephen L. Haley. 32 pp. April 1989. **Order # AGES 89-6. \$5.50.** Finds that U.S. export enhancement bonuses may have increased the U.S. price of wheat between 7 and 22 percent, U.S. wheat

export volume between 10 and 31 percent, and U.S. wheat export revenue between 18 and 61 percent for the 1986/87 crop year.

Why Did U.S. Wheat Exports Expand? by Kenneth W. Bailey. 8 pp. May 1989. **Order # AIB-564. \$3.00.** Identifies factors that expanded recent wheat exports, finding that policy effectiveness changes as market conditions change.

Dockage and Foreign Material in the Grading Standards for Wheat Exports, by Stephanie A. Mercier. 23 pp. December 1989. **Order # AGES 89-68. \$8.00.** Focuses on economic effects that a new grading standard would have on wheat producers, handlers, and exporters.

Apple Import Demand: Four Markets for U.S. Fresh Apples, by Amy L. Sparks, James L. Seale, Jr., and Boyd M. Buxton. 15 pp. December 1990. **Order # AER-641. \$8.00.** Gives the results of an econometric analysis of four U.S. overseas apple markets and explores competition in Canada, Hong Kong, Singapore, and the United Kingdom.

U.S. Imports of Fruits and Vegetables Under Plant Quarantine Regulations, Fiscal Year 1987, by Joan Pearrow. 49 pp. January 1990. **Order # AGES 9009. \$8.00.** Summarizes imports of over 200 commodities by country of origin and port of entry during FY 1987.

The Specification, Estimation, and Simulation of a Small Global Macroeconomic Model, by James R. Malley. 24 pp. March 1990. **Order # AGES 9011. \$8.00.** Describes the structure and simulation properties of a small global macroeconomic model (SGM).

Measuring the Effectiveness of the Export Enhancement Program for Poultry, by Stephen L. Haley. 23 pp. March 1990. **Order # AGES 9016. \$8.00.** Examines the economic effects of the EEP for poultry meat for 1987.

U.S. Adjustment in the 1990's: A CGE Analysis of Alternative Trade Strategies, by Robert Hanson and others. 32 pp. May 1990. **Order # AGES 9031. \$8.00.** Investigates the implications for the structure of the U.S. economy of a reduction in the U.S. trade deficit.

Agricultural Export Programs: Background for 1990 Farm Legislation, by Karen Z. Ackerman and Mark E. Smith. 66 pp. May 1990. **Order # AGES 9033. \$11.00.** Summarizes the major U.S. export programs since World War II.

Agricultural Trade, Agreements, and Disputes in the Western Hemisphere, by Nicole Ballenger and others. 43 pp. June 1989. **Order # AGES 89-28. \$5.50.** Assesses major bilateral and multilateral arrangements guiding agricultural trade relations among Western Hemisphere countries.

How Level is the Playing Field? An Economic Analysis of Agricultural Policy Reforms in Industrial Market Economies, by Vernon Roningen. 39 pp. December 1989. **Order # AER-239. \$5.50.** Focuses on how levels of assistance to agriculture compare across countries and commodity markets; how assistance to agriculture in industrial market economies distorted world production and trade; and who would benefit from eliminating assistance to agriculture in industrial market economies.

Foreign Debt, Capital Formation, and Debtor Behavior, by Carlos Arnade and others. 32 pp. July 1989. **Order # TB-1767. \$5.50.** Finds that problem debtor countries, with over \$10 billion in external debt, used their borrowed funds to invest less and consume more than a comparable group of debtors without repayment problems.

Developing Countries' High-Value Agricultural Trade: Implications for U.S. Exports, by Mary Burfisher and Margaret Missiaen. 14 pp. September 1990. **Order # AIB-615. \$4.00.** Finds that developing countries expanded their high-value product (HVP) exports to the United States during the 1980's, while remaining as only minor markets for U.S. HVP exports.

Agricultural Trade Liberalization and Developing Countries, by Barry Krissoff and others. 46 pp. May 1990. **Order # AGES 9042. \$8.00.** Discusses some of the potential effects of agricultural trade liberalization on the economies of developing nations, featuring a static global agricultural net trade model that contains 36 countries or regions and 22 commodities.

Trade and Development: Impact of Foreign Aid on U.S. Agriculture, edited by Gary Vocke. 69 pp. June 1990. **Order # AGES 9044. \$11.00.** This report reviews the role of the various types of foreign assistance and the international factors influencing their effectiveness in promoting economic development.

Incorporating Inputs in the Static World Policy Simulation Model (SWOPSIM), by Peter S. Liapis. 34 pp. June 1990. **Order # TB-1780. \$8.00.** Documents the methodology used to incorporate inputs in the trade liberalization models built with the Static World Policy Simulation Model.

Using Producer and Consumer Subsidy Equivalents in the SWOPSIM Modeling Framework, by Stephen L. Haley. 36 pp. March 1989. **Order # AGES 89-11. \$5.50.** A technical review of the use of PSE's and CSE's in statistical modeling of agricultural trade.

The Political Economy of Agricultural Trade: A Review of the Literature on Domestic Policy Behavior and International Price Formation, by Linda Young, Mary Marchant, and Alex McCalla. 73 pp. January 1991. **Order # AGES 9103. \$11.00.** Reviews literature on political economy as related to agricultural trade. This literature is characterized by a wide variety of models and quantitative techniques.

Factor Intensity of U.S. Agricultural Trade, by Darryl S. Wills and Chin Lee. 36 pp. August 1990. **Order # AER-637. \$8.00.** Reviews the commodity composition of U.S. agricultural exports.

Exchange Rates and U.S. Agricultural Trade, by Mathew D. Shane. 12 pp. January 1990. **Order # AIB-585. \$4.00.** Finds that exchange rates are now the single most important variable in determining the economic environment for agricultural trade.

World Grain Stocks: Where They Are and How They Are Used, by Jerry A. Sharples and Jeanette Krutzfeldt. 16 pp. May 1990. **Order # AIB-594. \$4.00.** Examines policies and practices of main grain stockholding countries.

The Links Between Development and World Trade, by Thomas Vollrath. 12 pp. February 1990. **Order # TB-1774. \$4.00.** Determines which countries will be strong competitors or trade partners of the United States.

Estimates of Producer and Consumer Subsidy Equivalents: Government Intervention in Agriculture, 1982-87, by Alan J. Webb and others. 368 pp. April 1990. **Order # SB-803. \$14.00.** Reports estimates of producer and consumer subsidy equivalents for more than 40 commodities and products in 27 countries and the EC.

World Population by Country and Region, 1950-2050, by Francis Urban and Michael Trueblood. 76 pp. April 1990. **Order # AGES 9024. \$11.00.** Contains estimates of world population from 1950 to the late 1980's and projections to 2050.

Efficiency and Growth in Agriculture: A Comparative Study of the Soviet Union, United States, Canada, and Finland, by Robert B. Koopman. 48 pp. October 1989. **Order # AGES 89-54. \$5.50.** Shows that the slow pace of technological innovation is the main reason for slow Soviet growth.

Economic Implications of Agricultural Policy Reforms in Industrial Market Economies, by Vernon O. Roningen and Praveen M. Dixit. 73 pp. August 1989. **Order # AGES 89-36. \$8.00.** Uses an 11-region, 22-commodity world net trade model to study the economic implications of farm policy reform in industrial market economies.

EC 1992: Perspectives on Agriculture, edited by Walt Gardiner and David R. Kelch. 46 pp. May 1990. **Order # AGES 9043. \$8.00.** Contains five papers presented at a symposium during the 1989 annual meeting of the American Agricultural Economics Association in Baton Rouge, LA.

Agricultural Statistics of the European Community, 1960-85, by Michael Herlihy and others. 123 pp. January 1989. **Order # SB-770. \$8.00.** Presents a comprehensive database on the agricultural sector of the European Community.

High-Value Products: Growing U.S. and EC Competition in World Markets, by Ruth Elleson. 34 pp. April 1990. **Order # AGES 9022. \$8.00.** Compares U.S. and EC export shares during 1970-87, showing that the EC, the world's leading exporter of high-value products, has successfully competed against the United States.

The Effects of the Common Agricultural Policy on the European Community Wheat-Washing Industry and Grain Trade, by Dale J. Leuck. 26 pp. April 1990. **Order # AGES 9023. \$8.00.** Looks at the EC wheat-washing industry, which separates wheat flour into wheat gluten and wheat starch.

Estimation and Evaluation of Economic Community Wheat Export Subsidies, by Peter S. Liapis. 33 pp. November 1989. **Order # AGES 89-55. \$5.50.** Examines the relationship between the EC export subsidies and U.S. wheat export prices.

Trade Liberalization in Yugoslavia and Poland, by Nancy J. Cochrane. 48 pp. August 1990. **Order # AGES 9058. \$8.00.** Presents estimates of producer and consumer subsidy equivalents for Yugoslavia and Poland, using the Static World Policy Simulation framework developed by ERS.

Agricultural Statistics of Eastern Europe and the Soviet Union, 1965-85, by Nancy J. Cochrane. 129 pp. July 1989. **Order # SB-778. \$8.00.** Contains 110 tables with data on land use, farm structure, population, farm machinery, crop and livestock production, and more.

Agricultural Performance in Eastern Europe, 1988, by Nancy J. Cochrane and Miles J. Lambert. 27 pp. August 1989. **Order # AGES 89-38. \$5.50.** Finds that farm output in Eastern Europe stagnated in 1988, but agricultural trade balances improved in most countries.

U.S. Agricultural Trade with the Developed Pacific Rim, 1968-88, by Wilma Davis and others. 80 pp. May 1990. **Order # AGES 9035. \$11.00.** This statistical compendium presents data on U.S. agricultural exports and imports with the developed Pacific Rim countries.

Risk Aversion Through Nontraditional Export Promotion Programs in Central America, by Carlos Arnade and David Lee. 19 pp. December 1990. **Order # AGES 9074. \$8.00.** Discusses the growing importance of policies by Central American countries which promote nontraditional agricultural exports, such as avocados, broccoli, cantaloupes, cauliflower, cucumbers, limes, peppers, and strawberries.

Effects of Imports on the Puerto Rican Livestock-Meat Industry, by Lawrence A. Duewer and others. 60 pp. March 1989. **Order # AER-605. \$5.50.** Examines the Puerto Rican beef industry and discusses possible policy alternatives for addressing the industry's problems.

The Mexican Wheat Market and Trade Prospects, by Myles J. Mielke. 36 pp. September 1990. **Order # AGES 9052. \$8.00.** Analyzes and projects Mexican wheat supply and demand conditions in a liberalizing policy environment.

Government Intervention in the Mexican Crop Sector, by Myles J. Mielke. 20 pp. September 1989. **Order # AGES 89-40. \$5.50.** Models a 50-percent reduction in Mexico's producer price subsidies over 5 years to simulate a gradual lessening of government intervention.

Peru: An Export Market Profile, by H. Christine Bolling. 74 pp. December 1989. **Order # AGES 89-53. \$8.00.** Identifies Peru as a potentially limited commercial market for U.S. farm commodities in the current economic climate.

China's Interprovincial Grain Marketing and Import Demand, by Nicholas R. Lardy. 51 pp. September 1990. **Order # AGES 9059. \$8.00.** Explores the possibility that China's grain import demand is a function of state policy on interprovincial grain marketing.

Agricultural Trade Between Asia/Near East Countries and the United States, 1962-86, by Daniel Timms and Mathew Shane. 139 pp. January 1989. **Order # SB-774. \$8.00.** Quantifies the bilateral trade between 21 Asian and Near East countries and the United States for 1962-86.

Competition in East Asia's Agricultural Import Market, by J. Albert Evans. 37 pp. May 1990. **Order # AGES 9040. \$8.00.** Examines trends in agricultural imports in Japan, Taiwan, Korea, and Hong Kong for 1962-86, using a market share approach to assess the competitive position of the United States and other major exporters.

Government Intervention in Pakistan's Cotton Sector, by Gary Ender. 53 pp. June 1990. **Order # AGES 9041. \$8.00.** Examines the cotton sector in Pakistan, detailing the technical and economic factors underlying recent trends in area, yield, and production.

Government Intervention in Pakistan's Agricultural Economy, by Gary Ender. 28 pp. April 1990. **Order # AGES 9027. \$8.00.** Uses producer and consumer subsidy equivalents to examine the nature of the Pakistani Government's interventions in the agricultural sector.

Export Performance in Africa, by Shahla Shapouri and Stacey Rosen. 40 pp. May 1989. **Order # AGES 89-16. \$5.50.** Focuses on Africa's export sector as the key to its economic recovery.

Consumption Stability and the Potential Role of Food Aid in Africa, by Stacey Rosen. 15 pp. June 1989. **Order # AGES 89-29. \$5.50.** Reports model projections for additional food aid needs in Africa in 1990 and 1995 for good and bad weather scenarios.

Soil and Water Management in West Africa: An Economic Analysis, by John C. Day. 10 pp. September 1989. **Order # AGES 89-35. \$3.00.** Uses soil-water balance relationships and a whole-farm modeling approach to estimate conservation benefits on a typical farm in Mali.

Technology and Agricultural Productivity in the Sahel, by Thomas S. Hayne and others. 27 pp. October 1989. **Order # AER-612. \$5.50.** Focuses on factors that have slowed technology transfer in the Sahel and identifies conditions necessary for transfer to occur more rapidly.

Thailand's Feed and Livestock Industry to the Year 2000, by Sara J. Schwartz and Douglas H. Brooks. 84 pp. March 1990. **Order # FAER-242. \$11.00.** Projects rice and poultry exports to the year 2000 under three scenarios of per capita income growth.

Reducing Support Using Aggregate Measures, Case Study: Thailand, by Douglas H. Brooks. 24 pp. July 1989. **Order # AGES 89-30. \$5.50.** Finds that Thailand's government support can be reduced by charging for irrigation and reimposing export taxes.

Longrun Competitiveness of Australian Agriculture, by Jerry Sharples and Nick Milham. 23 pp. December 1990. **Order # FAER-243. \$8.00.** Identifies domestic factors that made Australian agriculture competitive since the 1950's and those most likely to determine its future competitiveness in global markets.

Targeting Australian Agricultural Policies for Trade Liberalization, by B.G. Johnston. 17 pp. July 1990. **Order # AGES 9050. \$8.00.** Reviews the levels of assistance in Australia's agricultural sector during the 1980's and discusses how the recent reform initiatives have reduced them.

Economywide Implications of Agricultural Liberalization in the United States, by Maureen Kilkenny and Sherman Robinson. 16 pp. January 1990. **Order # AGES 9008. \$4.00.** Uses a 10-sector computable general equilibrium model to show how unilateral and multilateral changes in agricultural policy will affect the overall economy.

Elasticities in the Trade Liberalization Database, by Walter H. Gardiner and others. 72 pp. May 1989. **Order # AGES 89-20. \$8.00.** From various sources, compiles the elasticities of supply and demand available in the Trade Liberalization database.

Price Transmission Elasticities in the Trade Liberalization (TLIB) Database, by John Sullivan. 22 pp. April 1990. **Order # AGES 9034. \$8.00.** Documents price transmission elasticities available in ERS' TLIB database.

A Database for Trade Liberalization Studies, by John Sullivan and others. 160 pp. March 1989. **Order # AGES 89-12. \$8.00.** Presents a global database for 22 commodities and 36 regions of the world.

GATT Trade Liberalization: The U.S. Proposal, by Larry Deaton and others. 12 pp. March 1990. **Order # AIB-596. \$4.00.** Looks at the U.S. GATT proposal, which if implemented would raise world market prices, lower taxpayer costs, and in some key countries, significantly lower consumer prices.

Bibliography of Research Supporting the Uruguay Round of the GATT. 20 pp. December 1989. **Order # AGES 89-64. \$5.50.** Lists ERS research that might be useful in evaluating proposals for policy change now under negotiation at the GATT.

A Short History of U.S. Agricultural Trade Negotiations, by Jane M. Porter and Douglas E. Bowers. 12 pp. August 1989. **Order # AGES 89-23. \$5.50.** Summarizes U.S. farm trade negotiations from the beginnings of the GATT in 1947.

Resource Policy Subsidies and the GATT Negotiations, by John D. Sutton. 19 pp. August 1989. **Order # AER-616. \$5.50.** Looks at explicit and implicit producer subsidies for specific policies of major trading countries.

Subsidy Equivalents: Yardsticks of Government Intervention In Agriculture for the GATT, by Carl Mabbs-Zeno and Arthur Dommen. 9 pp. January 1989. **Order # AIB-558. \$3.00.** Discusses aggregate measures of support, such as producer and consumer subsidy equivalents, which may help negotiators of a new GATT attain common ground for reducing barriers to international trade.

GATT & Agriculture: The Concepts of PSE's and CSE's, by Carl Mabbs-Zeno. 23 pp. April 1989. **Order # MP-1468. \$5.50.** This illustrated booklet explains two measures of government intervention in agriculture: producer subsidy equivalents and consumer subsidy equivalents.

Government Intervention in Agriculture: A Regulatory Approach, by David W. Skully. 32 pp. May 1990. **Order # AGES 9039. \$8.00.** Examines the behavior of public agents creating and administering policies to transfer rent among domestic economic interest groups.

Global Commodity Reports

The following reports describe global commodity markets and policies, evaluate consequences of Government intervention in agricultural markets, and discuss the implications of global policy reform.

The World Wheat Market—Government Intervention and Multilateral Policy Reform, by Joy L. Harwood and Kenneth W. Bailey. 113 pp. January 1990. **Order # AGES 9007. \$11.00.**

The World Poultry Market—Government Intervention and Multilateral Policy Reform, by Robert V. Bishop and others. 52 pp. March 1990. **Order # AGES 9019. \$11.00.**

The World Coarse Grain Market—Government Intervention and Multilateral Policy Reform, by Bengt Hyberg and others. 101 pp. February 1990. **Order # AGES 9017. \$11.00.**

The World Pork Market—Government Intervention and Multilateral Policy Reform, by Shayle D. Shagam. 66 pp. April 1990. **Order # AGES 9025. \$11.00.**

The World Tobacco Market—Government Intervention and Multilateral Policy Reform, by Verner N. Grise. 65 pp. February 1990. **Order # AGES 9014. \$11.00.**

World Oilseed Markets—Government Intervention and Multilateral Policy Reform, by Thomas W. Bickerton and Joseph W. Glauber. 82 pp. March 1990. **Order # AGES 9021. \$11.00.**

The World Market in Fresh Fruit and Vegetables, Wine, and Tropical Beverages—Government Intervention and Multilateral Policy Reform, by Katharine C. Buckley. 113 pp. September 1990. **Order # AGES 9057. \$11.00.**

The World Rice Market—Government Intervention and Multilateral Policy Reform, by Nathan W. Childs. 63 pp. September 1990. **Order # AGES 9060. \$11.00.**

The World Sugar Market—Government Intervention and Multilateral Policy Reform, by Ron Lord and Robert D. Barry. 70 pp. September 1990. **Order # AGES 9062. \$11.00.**

The World Dairy Market—Government Intervention and Multilateral Policy Reform, by Donald Blayney and Richard Fallert. 76 pp. August 1990. **Order # AGES 9053. \$11.00.**

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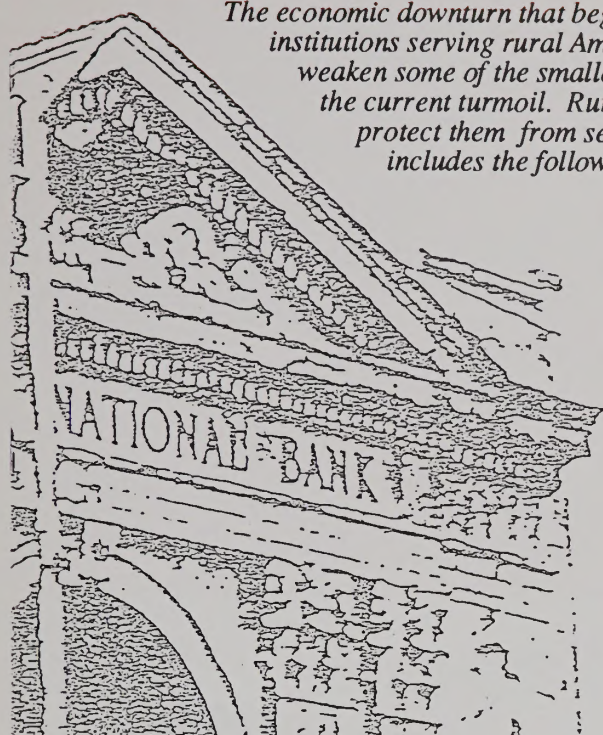
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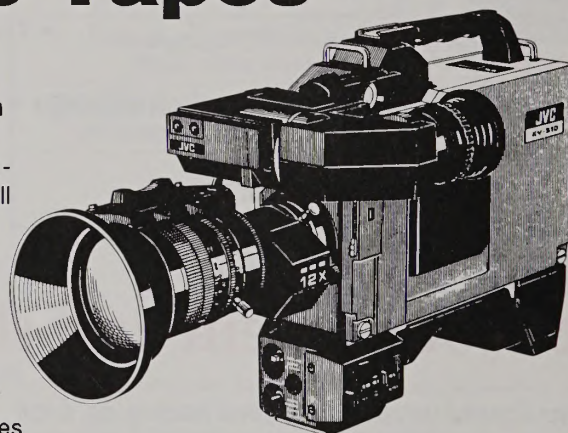
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